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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/163,977	09/30/1998	JU-HA PARK	1293.1053	6115

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EXAMINER

TRAN, TRANG U

ART UNIT	PAPER NUMBER
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2422

MAIL DATE	DELIVERY MODE
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10/11/2012

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/163,977

Applicant(s)

PARK, JU-HA

Examiner

Trang U. Tran

Art Unit

2422

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Feb. 16, 2012; May 30, 2012; Jul. 16, 2012.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 40,42 and 46-51 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 40,42 and 46-51 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on August 10, 2012 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of Pending Application Nos. 12/822,878; 13/482,593; 10/898,966; 12/834,436 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 16, 2012 has been entered.

Response to Arguments

3. Applicant's arguments with respect to claims 40, 42 and 46-51 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 40, 42 and 46-51 are rejected under 35 U.S.C. 102(e) as being anticipate by Schneidewend et al. (US Patent No. 6,249,320 B1).

In considering claim 40, Schneidewend et al discloses all claimed subject matter, note 1) the claimed converting the a received radio frequency (RF) digital broadcast signal into a baseband signal is met by the input processor 13 (Fig. 1, col. 2, line 55 to col. 3, line 35), 2) the claimed decoding the converted baseband signal to reconstruct a digital broadcast transport stream which includes audio data, video data and program information is met by the demodulator 15 and the decoder 17 (Fig. 1, col. 2, line 55 to col. 3, line 35), 3) the claimed extracting the audio data, the video data and the program information from the reconstructed digital broadcast transport stream and storing the extracted program information in a storage is met by the data transport decoder and demultiplexer 22 (Fig. 1, col. 2, line 55 to col. 3, line 35), 4) the claimed processing the extracted audio data to be output as sound is met by the audio processor 35 (Fig. 1, col. 3, lines 5-35), 5) the claimed processing the extracted video data to be output on a screen is met by the MPEP video decoder 25 (Fig. 1, col. 3, lines 5-35), 6) the claimed accessing the storage to generate a channel list based on the stored program information is met by the internal memory of unit 60 (Fig. 1, col. 3, line 5 to col. 4, line 30), 7) the claimed wherein the channel list comprises is made up of one or more separately identifiable channel groupings, each having one or more two-part channel numbers, where each of the one or more two-part channel numbers includes at least

one a main channel number as a first part and the at least one main channel number has at least one corresponding and a sub-channel number as a second part, and where each two-part channel number of a respectively identified channel grouping has a same main channel number and different sub-channel numbers is met by the Electronic Program Guide display (Figs. 1 and 11-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34), and 8) the claimed enabling a user to navigate the channel list to search a two part channel number wherein information included in the channel list is derived from program associated information from a Program Specific Information (PSI) table, for plural programs included in the transport stream conforming with an MPEG standard, wherein an identifiable program according to the MPEG standard is distinguished from a predetermined corresponding two-part channel number is met by the Electronic Program Guide display and it may comply with Program Specific Information (PSI) requirements specified in section 2.4.4 of the MPEG systems standard... (Figs. 1 and 11-13, col. 2, line 55 to col. 3, line 15 and col. 11, line 14 to col. 12, line 34).

In considering claim 42, the claimed wherein the listing sequence can be determined based on proximity between respective channel grouping identifiers to allow a select current two-part channel number, of one or more two-part channel numbers corresponding to a current channel grouping identifier, to be listed along with at least one two-part channel number, of one or more two-part channel numbers corresponding to a proximally related upper close channel grouping identifier, and/or at least one two-part channel number, of one or more two-part channel numbers corresponding to a

proximally related lower close channel grouping identifier is met by the Electronic Program Guide display (Figs. 1 and 11-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

In considering claim 46, the claimed wherein the channel list is configured to be navigable between two-part channel numbers, of one or more two-part channel numbers of a first channel grouping, and between the first channel grouping and a two-part channel number of a second channel grouping in is met by the Electronic Program Guide display (Figs. 12-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

In considering claim 47, the claimed wherein the one or more two-part channel numbers of the first channel grouping are collectively displayed in a same direction with a first channel grouping identifier representing the first channel grouping is met by the Electronic Program Guide display (Figs. 12-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

In considering claim 48, the claimed further comprising: receiving a command to navigate the channel list; and displaying plural channel grouping identifiers and/or plural two-part channel numbers in a numeric order is met by the Electronic Program Guide display (Figs. 12-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

In considering claim 49, the claimed wherein the predetermined corresponding two-part channel number represents the identifiable program based on predetermined identification information unique to the program according to the MPEG standard, and a

relationship, according to an ATSC standard, between the two-part channel number and the predetermined identification information unique to the program is met by the Electronic Program Guide display and it may comply with Program Specific Information (PSI) requirements specified in section 2.4.4 of the MPEG systems standard or it may comply with the high definition television (HDTV) signal standard digital television standard for HDTV Transmission of April. 12 1995, prepared by the United States Advanced Television Systems Committee (ATSC) or other ATSC standards (Figs. 1 and 11-13, col. 2, line 55 to col. 3, line 15 and col. 11, line 14 to col. 12, line 34).

In considering claim 50, the claimed wherein the channel list is navigated in a first direction between the one or more two-part channel numbers of the first channel grouping, and navigated in a second direction between the first channel grouping and the second channel grouping is met by the Electronic Program Guide display (Figs. 12-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

In considering claim 51, the claimed wherein the first direction is different from the second direction is met by the Electronic Program Guide display (Figs. 12-13, col. 6, line 21 to col. 8, line 10 and col. 11, line 14 to col. 12, line 34).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang U. Tran whose telephone number is (571)272-7358. The examiner can normally be reached on 10:00 AM - 6:30 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jefferey F. Harold can be reached on (571) 272-7519. The fax phone

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 3, 2012

/Trang U. Tran/
Primary Examiner, Art Unit 2422